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[Bharath K. Sriperumbudur, Omer A. Lang, Gert R. G. Lanckriet](#)

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**Publisher:** ACM

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In this paper, we consider a smoothing kernel based classification rule  $\alpha$  optimizing the performance of the rule by learning the bandwidth of the data-dependent distance metric. The data-dependent ...

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 April 2009 [Communications of the ACM](#)
**Publisher:** ACM

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[Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemysław](#)
[Jos Stam, Jerry Tessendorf](#)

 August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes

**Publisher:** ACM [Request Permissions](#)

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This updated course on simulating natural phenomena will cover the latest techniques for simulating most of the elements of nature. The presentation includes production, interactive simulation, and research perspectives ...

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## 6 [Hardware counter driven on-the-fly request signatures](#)

 [Kai Shen, Ming Zhong, Sandhya Dwarkadas, Chuanpeng Li, Christopher Stachniss](#)  
March 2008 **ASPLOS XIII**: Proceedings of the 13th international conference on computer architecture, programming languages and operating systems

**Publisher:** ACM 


Full text available:  Pdf (437.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 183, Citations


Today's processors provide a rich source of statistical information on application behavior. In this paper, we explore the utilization of these statistics in server applications for identifying requests ...

**Keywords:** anomaly detection, hardware counter, operating system and server system

## 7 [Operating System Modifications for Task-Based Speed and Voltage](#)


 [Jacob R. Lorch, Alan Jay Smith](#)  
May 2003 **MobiSys '03**: Proceedings of the 1st international conference on mobile systems and services

**Publisher:** ACM 



Full text available:  Pdf (221.63 KB) Additional Information: [full citation](#), [references](#)

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 September 2008 Queue

**Publisher:** ACM



Full text available:  Digital Edition ,  Pdf (6.07 MB) Additional Information: [full citation](#)

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## 9 [Communications of the ACM: Volume 51 Issue 3](#)

 March 2008 Communications of the ACM

**Publisher:** ACM


Full text available:  Digital Edition ,  Pdf (7.56 MB) Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): 218, Downloads (12 Months): 2297, Citations

## 10 [Log summarization and anomaly detection for troubleshooting distributed systems](#)

[Dan Gunter, Brian L. Tierney, Aaron Brown, Martin Swamy, John Bresnahan](#)  
September 2007 **GRID '07**: Proceedings of the 8th IEEE/ACM International Conference on Grid Computing

**Publisher:** IEEE Computer Society

Full text available:  Pdf (223.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 17, Citations



Today's system monitoring tools are capable of detecting system failure

errors, and network partitions in near-real time. Unfortunately, the same to-end distributed software stack. Any given ...

#### 11 [Communications of the ACM: Volume 52 Issue 2](#)


February 2009 Communications of the ACM

**Publisher:** ACM

Full text available:  [Digital Edition](#) ,  [Pdf](#) (7.09 MB) Additional Information: [full citation](#)


**Bibliometrics:** Downloads (6 Weeks): 446, Downloads (12 Months): 3256, Citations

#### 12 [Adaptive caching for demand prepaging](#)

 Scott F. Kaplan, Lyle A. McGeoch, Megan F. Cole

February 2003 **ISMM '02**: Proceedings of the 3rd international symposium on

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (279.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 45, Citations

Demand prepaging was long ago proposed as a method for taking advantage of and avoiding long disk latencies by fetching, at each page fault, not only the pages predicted to be used soon. Studies performed ...

**Keywords:** adaptive caching, block paging, clustering, prepaging

Also published in:

February 2003 **SIGPLAN Notices** Volume 38 Issue 2 supplement

#### 13 [Communications of the ACM: Volume 52 Issue 3](#)


March 2009 Communications of the ACM

**Publisher:** ACM

Full text available:  [Digital Edition](#) ,  [Pdf](#) (7.04 MB) Additional Information: [full citation](#)


**Bibliometrics:** Downloads (6 Weeks): 410, Downloads (12 Months): 2654, Citations

#### 14 [Robust clustering of eye movement recordings for quantification of v](#)

 Anthony Santella, Doug DeCarlo

March 2004 **ETRA '04**: Proceedings of the 2004 symposium on Eye tracking

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (8.99 MB) Additional Information: [full citation](#), [appendices](#), [references](#), [cited by](#), [in](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 82, Citations



Characterizing the location and extent of a viewer's interest, in terms of which visual elements inform a range of investigations in image and scene viewing. We present a method for accomplishing this, which clusters visual ...

**Keywords:** clustering, eye movement analysis, mean shift, measures of

#### 15 [Communications of the ACM: Volume 51 Issue 6](#)

June 2008 Communications of the ACM

**Publisher:** ACM

Full text available:  [Digital Edition](#) ,  [Pdf \(8.89 MB\)](#) [Additional Information: full citation](#)


**Bibliometrics:** Downloads (6 Weeks): 217, Downloads (12 Months): 2564, Citi

# 16 Identifying potential parallelism via loop-centric profiling

 [Tipp Moseley](#), [Daniel A. Connors](#), [Dirk Grunwald](#), [Ramesh Peri](#)

May 2007 **CF '07: Proceedings of the 4th international conference on Con**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(278.02 KB\)](#) [Additional Information: full citation, abstract, r](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 74, Citation

The transition to multithreaded, multi-core designs places a greater res  
software for improving performance; thread-level parallelism (TLP) will  
addition to instruction-level parallelism (ILP) ...

**Keywords:** loop profiling, parallelization

# 17 Detecting splogs via temporal dynamics using self-similarity analysis

 [Yu-Ru Lin](#), [Hari Sundaram](#), [Yun Chi](#), [Junichi Tatemura](#), [Belle L. Tseng](#)

February 2008 **Transactions on the Web (TWEB)** , Volume 2 Issue 1

**Publisher:** ACM  [Request Permissions](#)


Full text available:  [Pdf \(1.73 MB\)](#) [Additional Information: full citation, abstract, r](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 218, Citati

This article addresses the problem of spam blog (splog) detection using  
regularity of content, post time and links. Splogs are undesirable blogs  
traffic, used solely for promoting affiliate sites. ...

**Keywords:** Blogs, regularity, self-similarity, spam, splog detection, ten

# 18 DCAS is not a silver bullet for nonblocking algorithm design

 [Simon Doherty](#), [David L. Detlefs](#), [Lindsay Groves](#), [Christine H. Flood](#), [Victor Mark Moir](#), [Nir Shavit](#), [Guy L. Steele, Jr.](#)

June 2004 **SPAA '04: Proceedings of the sixteenth annual ACM symposiu**  
and architectures

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**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 64, Citation

Despite years of research, the design of efficient nonblocking algorithms  
is that current shared-memory multiprocessor architectures support onl  
synchronisation primitives such as compare-and-swap (CAS) ...

**Keywords:** DCAS, concurrent data structures, double-compare-and-sw  
multiprocessors, nonblocking synchronization

# 19 Human hand modeling from surface anatomy




[Taehyun Rhee](#), [Ulrich Neumann](#), [J. P. Lewis](#)

March 2006 **I3D '06**: Proceedings of the 2006 symposium on Interactive 3D  
 **Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (468.32 KB) Additional Information: [full citation](#), [abstract](#), [review](#)  
**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 111, Citations: 0

The human hand is an important interface with complex shape and moving parts. In many gaming applications the use of an individualized rather than generic hand model can increase the sense of immersion and in some cases may lead to ...

**Keywords:** anatomy, curve detection, graphics, human hand, modeling





20 [Queue: Volume 6 Issue 4](#)

July 2008 [Queue](#)  
 **Publisher:** ACM  
 Full text available:  [Digital Edition](#) ,  [Pdf](#) (6.13 MB) Additional Information: [full citation](#)  
**Bibliometrics:** Downloads (6 Weeks): 47, Downloads (12 Months): 536, Citations: 0

Flash is growing from mere curiosity to a new tier in the storage hierarchy

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